Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-02-24-02** **Date: 26-02-18**
Customer	:	Assistant Executive Engineer, T. Dasarahalli Sub division, BBMP, Bangalore.
Address	:	T. Dasarahalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements of CC roads drain at Dharmastala hotel backside in Dasarahalli Ward no.15.
Agency	:	Sri.K. Madhava Reddy, No.898, 1st Cross, Muneshwara Nagara, Bagalagunte, Bengaluru-560073
Customer Reference	:	EE/DD/WO/239/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-02-18
Sample ID No	:	2018-02-24-02 /02(b)
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	24-02-18

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	287	287	5.7	94.3	90-100
3	10 mm	2587	2874	57.5	42.5	25-55
4	4.75 mm	1881	4755	95.1	4.9	0-10
5	Pan	245	5000	100	0	–

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2018-02-24-02** **Date: 26-02-18**

Sample ID No : 2018-02-24-02 /02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.1	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.2	
3	Specific Gravity	2.59	–
4	Bulk Density(Loose) (Kg/l)	1.44	–
5	Bulk Density(Compacted) (Kg/l)	1.51	–
6	Water Absorption(%)	0.21	–
7	Aggregate crushing Value(%)	23.4	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	21.8	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

End of Report

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
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Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2018-02-24-02** **Date: 26-02-18**

Customer : Assistant Executive Engineer, T. Dasarahalli Sub division, BBMP, Bangalore.

Address : T. Dasarahalli Sub division, BBMP, Bangalore.

Project Name : Improvements of CC roads drain at Dharmastala hotel backside in Dasarahalli Ward no.15.

Agency : Sri.K. Madhava Reddy, No.898, 1st Cross, Muneshwara Nagara, Bagalagunte, Bengaluru-560073

Customer's Reference : EE/DD/WO/239/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-02-18

Sample ID No : 2018-02-24-02 /03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 24-02-18

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	35	35	3.5	96.5	90-100	90-100	90-100	95-100
3	2.36 mm	197	232	23.2	76.8	60-95	75-100	85-100	95-100
4	1.18 mm	201	433	43.3	56.7	30-70	55-90	75-100	90-100
5	600 micron	147	580	58.0	42.0	15-34	35-59	60-79	80-100
6	300 micron	124	704	70.4	29.6	5-20	8-30	12-40	15-50
7	150 micron	232	936	93.6	6.4	0-10	0-10	0-10	0-15
8	Pan	64	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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ಬೆಂಗಳೂರು. ಪೂರ್ವವಲಯ

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2018-02-24-02** **Date: 26-02-18**

Sample ID No : 2018-02-24-02 /03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	2.14	–
2	Specific Gravity	2.57	–
3	Material finer than 75 micron(%)	5.2	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

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